

CLAIM AMENDMENTS

1 - 6. (canceled)

7. (currently amended) Powder painting equipment for at least one manufactured article, the equipment comprising:

overhead conveyor means for transporting the manufactured article along a generally horizontal conveyor path, the conveyor means including a support organ supporting the article for rotation about a generally vertical axis, the support organ having first and second flat plates rotationally fixed to the article supported by the organ and extending generally in respective vertical planes at right angles to each other,

first application means adjacent the transport path for applying a first layer of powder paint to the article,

first guide means at the first application means for engaging the first plate and holding the manufactured article in a predetermined angular position relative to the axis during application of the first layer;

means at a first station downstream of the first application means for fixing said first paint layer,

second application means downstream of the first station for applying a second layer of powder paint in a color, tone or properties different from said first paint layer to the article,

second guide means at the [[first]] second application means for engaging the second plate and holding the manufactured article in a predetermined angular position offset by about 90° to the first position relative to the axis during application of the second layer;

means at a second station downstream of the second application means for the final baking of said first and second paint layers,

second means downstream of the second application means and including a roller or brush for rolling or brushing the manufactured article to produce a desired decorative effect,

a first mobile support unit mounted in each [[paint]] application means and adapted to move the respective paint means along a corresponding closed cyclic passage including at least a first following section of said manufactured article during which a relative movement is imposed between said the respective paint application means and the article, and

first mobile means ~~in said rolling or brushing equipment~~ for moving the ~~respective~~ roller or brush along a corresponding closed passage including ~~at least a~~ the first following section of the manufactured article during which a relative movement is imposed between roller or brush and the manufactured article.

8. (canceled)

9. (currently amended) The powder painting equipment according to claim 7, further comprising:

means for measuring the size of the manufactured article immediately upstream of the second application means, and

control means for supplying a paint amount according to [[the]] detected measurements and to a dedicated formula to obtain the desired final effect.

10. (currently amended) The powder painting equipment according to claim [[1]] 7 wherein each support unit moves on a fixed guide comprising a first and second portion of guide sloped in relation to [[the]] a travel direction of the manufactured article, and a third and fourth portion parallel to the travel direction of the manufactured article.

11. (previously presented) The powder painting equipment according to claim 7 wherein the first mobile support unit moves on a mobile guide positioned at a right angle to [[the]] a travel direction of the manufactured article and carried in turn by a mobile support unit in a direction parallel to the travel direction of the manufactured article.

12. (currently amended) Powder-painting equipment [[in a]] for rolling or brushing at least one manufactured article to reproduce a desired decorative finish, the equipment comprising:

overhead conveyor means for transporting the manufactured article in a travel direction along a generally horizontal conveyor path, the conveyor means including a support organ supporting the article for rotation about a generally vertical axis, the support organ having first and second flat plates rotationally fixed to the article supported by the organ and extending generally in respective vertical planes nonparallel to each other,

a first rolling or brushing means having a roller or brush and mounted on a first mobile support unit movable along a corresponding closed circuit passage having a single following section of the manufactured article during which movement is imposed between said roller or brush and the manufactured article, and a single return section, said following section extending in a direction that slopes in relation to the travel direction of the manufactured article,

first guide means at the first application rolling or brushing means for engaging the first plate and holding the manufactured article in a predetermined first angular position relative to the axis during application of [[the]] a first paint layer;

means at a first station downstream of the first application means for fixing said first paint layer,

second application means downstream of the first station for applying a second layer of powder paint in a color, tone or

properties different from said first paint layer to the article,
and

second guide means at the ~~[[first]]~~ second application means for engaging the second plate and holding the manufactured article in a predetermined second angular position angularly offset from the first position relative to the axis during application of the second layer.

13 - 14. (canceled)

15. (currently amended) The powder-painting equipment defined in claim 12 wherein said first and second plates lie in respective planes substantially at a right angle to each other such that the second angular position is angularly offset by about 90° relative to the first angular position .

16. (currently amended) The powder-painting equipment defined in claim 7 wherein the first and second rolling or brushing means presents an axis at right angles to said sloping direction of said first following section.

17. (currently amended) The powder-painting equipment defined in claim 7 wherein each of said guide means of said first and second positioning elements is driven by a corresponding

respective linear actuator at right angles to the travel direction of the manufactured article.

18. (previously presented) The powder-painting equipment defined in claim 12 wherein said first mobile support unit of said first rolling or brushing means comprises a carriage moved along a corresponding sloping upright of an equipment frame driven by a motor through a transmission.

19. (currently amended) The powder-painting equipment defined in claim 12, further comprising:

at least a first moving means mounted on said first mobile support unit of said first rolling or brushing equipment set at right angles to the travel direction of [[the]] the manufactured article, between an idle position and operating position.

20. (previously presented) The powder-painting equipment defined in claim 19 wherein said first moving means comprises an actuator for the linear control of a carriage sliding on a guide at right angles to the travel direction of the manufactured article, said carriage supporting said first rolling or brushing means and a rotation control motor for said first rolling means.

21. - 24. (canceled)